

# Texas Commission on Environmental Quality

## PBR New Registration

### Site Information (Regulated Entity)

What is the name of the site to be authorized?	SPACEX TEXAS LAUNCH SITE
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	THE PROPOSED VERTICAL LAUNCH AREA IS LOCATED AT THE EASTERN TERMINUS OF BOCA CHICA BOULEVARD (STATE HIGHWAY 4).
City	BROWNSVILLE
State	TX
ZIP	78578
County	CAMERON
Latitude (N) (##.#####)	25.987919
Longitude (W) (-###.#####)	-97.187239
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	336414
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN107697088
What is the name of the Regulated Entity (RE)?	SPACEX TEXAS LAUNCH SITE
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	THE PROPOSED VERTICAL LAUNCH AREA IS LOCATED AT THE EASTERN TERMINUS OF BOCA CHICA BOULEVARD (STATE HIGHWAY 4).
City	BROWNSVILLE
State	TX
ZIP	78578
County	CAMERON
Latitude (N) (##.#####)	25.987919
Longitude (W) (-###.#####)	-97.187239
Facility NAICS Code	336414
What is the primary business of this entity?	COMMERCIAL ROCKET LAUNCH COMPLEX

### Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN602867657
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Space Exploration Technologies Corp.
Texas SOS Filing Number	800475804
Federal Tax ID	
State Franchise Tax ID	10106276719
State Sales Tax ID	
Local Tax ID	
DUNS Number	120406462
Number of Employees	
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	Space Exploration Technologies Corp.

Prefix	MR
First	Kyle
Middle	
Last	Meade
Suffix	
Credentials	
Title	Director, Environmental Health and Safety
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1 ROCKET RD
Routing (such as Mail Code, Dept., or Attn:)	
City	HAWTHORNE
State	CA
ZIP	90250
Phone (###-###-####)	3109705138
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	kyle.meade@spacex.com

## Responsible Official Contact

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Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	Space Exploration Technologies, Corp.
Prefix	MR
First	Rajiv
Middle	
Last	Alaniz
Suffix	
Credentials	
Title	Manager, Environmental Health and Safety
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1 ROCKET RD
Routing (such as Mail Code, Dept., or Attn:)	
City	BROWNSVILLE
State	TX
ZIP	78521
Phone (###-###-####)	9564434577
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	leonardo.alaniz@spacex.com

## Technical Contact

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Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	Greenthink Consulting, LLC

Prefix	MR
First	First Name
Middle	Last
Last	Name
Suffix	
Credentials	PE
Title	Principal Engineer
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	100 NAUTICAL CIR
Routing (such as Mail Code, Dept., or Attn:)	
City	ROUND ROCK
State	TX
ZIP	78681
Phone (###-###-####)	5125967929
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	rajiv@greenthinkconsulting.com

## PBR General Information - New Sites

1) To determine fee amount does this business qualify as a small business, non-profit organization, or small government entity?	No
2) Is this application for a portable facility?	No
3) Are there any other registered air authorizations at this site?	No
4) Is this project located at a major site?	No
5) Does this registration require certification or is certification being submitted voluntarily?	Yes
6) Is the facility in compliance with all PBRs claimed?	Yes
7) Is the facility in compliance with all other applicable state/federal rules and regulations?	Yes
8) Is the facility in compliance with all applicable distance requirements?	Yes

## Section 1 Rule Selection

### Rule#: 1

Select the type of unit that is being registered.	ENGINES AND TURBINES
Select the rule(s) associated to the unit specified.	106.512

## Section 1 106.512 Engines and Turbines

### Engine#: 1

Please provide the horsepower (hp) of the engine(s) / turbine(s).	3755
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### Engine#: 2

Please provide the horsepower (hp) of the engine(s) / turbine(s).	3755
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### Engine#: 3

Please provide the horsepower (hp) of the engine(s) / turbine(s).	3755
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**Engine#: 4**

Please provide the horsepower (hp) of the engine(s) / turbine(s).	3755
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**Engine#: 5**

Please provide the horsepower (hp) of the engine(s) / turbine(s).	3755
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**106.512(2) Rule Compliance**

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1) Is gas fuel limited to: sweet natural gas or liquid petroleum gas, fuel gas containing no more than ten grains total sulfur per 100 dry standard cubic feet, or field gas?	Yes
2) Has formaldehyde been included in the VOC short-term and annual emissions totals?	Yes
3) Are any engine(s)/turbine(s) rated ? 500 hp?	Yes
3.1. Will the engine(s) / turbine(s) meet any applicable NOx limits as stated in the rule?	Yes
4) Will the hourly and annual emissions meet any applicable NAAQs?	Yes
5) Will the engine(s) / turbine(s) be used to generate electricity?	Yes
5.1. Are the engine(s) / turbine(s) being used to generate electricity because it is not feasible to connect to the grid?	Yes
6) Please select any/all State or Federal Standards that apply to this site:	NSPS JJJJ   MACT ZZZZ
7) Is this facility being authorized at an oil and gas site that is using 106.352 (I) to claim, register, or certify their operation?	No

**106.4 Rule Compliance**

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1) What are the annual VOC emissions in tons per year (tpy) for this registration?	9.26
2) What are the total annual SO2 emissions in tpy for this registration?	0.05
3) What are the total annual NOx emissions in tpy for this registration?	32.41
4) What are the total annual CO emissions in tpy for this registration?	87.96
5) What are the total annual PM emissions in tpy for this registration?	0.84
6) What are the total annual PM10 emissions in tpy for this registration?	0.01
7) What are the total annual PM2.5 emissions in tpy for this registration?	0.01
8) What are the total annual H2S emissions in tpy for this registration?	0
9) What are the total annual HAP emissions in tpy for this registration?	6.08

**PBR Attachments**

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Please attach one PDF with all required documents to complete the project.

[File Properties]

File Name	<a href=/ePermitsExternal/faces/file?fileId=106712>Cov
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	er Letter - 05-21-21.pdf</a>
Hash	5DAFBBC5BDBC096C13EF272801529614F54669D E332A9E26EA8E54848C8973B4
MIME-Type	application/pdf
Confidential	No
[File Properties]	
File Name	<a href=/ePermitsExternal/faces/file?fileId=106713>SpaceX - PPGENs PI-7-CERT Reg - 05-21-21 - Confidential.pdf</a>
Hash	0973C299BBFBDADD942AD8E905E14E6231650F A65CB9B53A9DA1B2CA676EAEA
MIME-Type	application/pdf
Confidential	Yes
[File Properties]	
File Name	<a href=/ePermitsExternal/faces/file?fileId=106714>SpaceX - PPGENs PI-7-CERT Reg - 05-21-21 - Non-Confidential.pdf</a>
Hash	FC0369892C7DDD9DBDB14678357AC425E5DEC9 C477E6C835AEF13D9D5A5E5864
MIME-Type	application/pdf
Confidential	No

Please attach any other necessary information needed to complete the registration.

## Expedite

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?

No

## Certification

The electronic signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility, and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you have any questions on how to fill out this form or about air permits, please call (512) 239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms.

1. I am Leonardo Alaniz, the owner of the STEERS account ER076008.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing PBR New Registration.

9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

**OWNER OPERATOR Signature: Leonardo Alaniz OWNER OPERATOR**

Account Number:	ER076008
Signature IP Address:	192.31.242.195
Signature Date:	2021-05-26
Signature Hash:	BF66CEE7B1B9A50E2594D8E1F85C5DCF78205E DCA0F1848BFD27FF084F73DE57
Form Hash Code at time of Signature:	0A3F325676FFF7ECA4045868CC0C0A1DC71854C BAE588E7B7C25A87CDA2FB1EE

**Fee Payment**

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Transaction by:	The application fee payment transaction was made by ER076008/Leonardo Alaniz
Paid by:	The application fee was paid by RAJIV Y PATEL
Fee Amount:	\$450.00
Paid Date:	The application fee was paid on 2021-05-26
Transaction/Voucher number:	The transaction number is 582EA000434911 and the voucher number is 514289

**Submission**

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Reference Number:	The application reference number is 418770
Submitted by:	The application was submitted by ER032091/Rajiv Y Patel
Submitted Timestamp:	The application was submitted on 2021-05-26 at 14:18:37 CDT
Submitted From:	The application was submitted from IP address 104.63.129.253
Confirmation Number:	The confirmation number is 351971
Steers Version:	The STEERS version is 6.43

**Additional Information**

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Application Creator: This account was created by Rajiv Y Patel